

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (original): A method for detecting a specific mutation in the B-RAF gene, which comprises:

(a) subjecting a segment of the B-RAF gene containing the mutation to amplification by a PCR utilizing a DNA polymerase without 3'→5' exonuclease activity in the presence of a detection primer and a second primer, wherein 3' end of the detection primer is complementary to a mutated base on a first DNA strand of the B-RAF gene and the second primer is complementary to a segment of the opposite DNA strand of the B-RAF gene and selected such that a detectable amplification product will be produced if the PCR occurs; and

(b) detecting whether the DNA segment is amplified.

Claim 2 (original): A method of Claim 1, wherein the detection primer comprises SEQ ID Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 or 14.

Claim 3 (original): An oligonucleotide primer comprising SEQ ID Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 or 14.

Claims 4-9 (canceled)